

XP-002148963

AN - 1993-140479 [17]

A - [001] 014 02& 040 075 08- 10- 141 143 144 15& 15- 151 155 157 158 231
239 24& 263 293 308 31- 310 331 342 359 368 386 392 393 394 437 456
461 476 479 512 531 532 536 541 545 551 556 689 721 725

AP - JP19910243773 19910924

CPY - INUI-I

- SUMB

DC - A23 E32

DR - 1520-U

FS - CPI

IC - C08G81/00 ; C08K3/22 ; C08K9/04 ; C08L67/02 ; C08L77/00

KS - 0016 0037 0183 0184 0218 0219 0226 1283 1291 1292 1999 2000 2043 2065
2177 2180 2197 2198 2218 2319 2326 2332 2465 2542 2545 2560 2572 2600
2607 2617

MC - A05-E01A2 A05-E06A A05-F01B1 A05-F01B2 A07-A03A A07-A03C A08-M10 E35-C

M3 - [01] A430 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M781
M903 M904 M910 Q620 Q622 R043; R01520-U

PA - (INUI-I) INUI T

- (SUMB) SUMITOMO BAKELITE CO

PN - JP5078559 A 19930330 DW199317 C08L67/02 008pp

PR - JP19910243773 19910924

XA - C1993-062904

XIC - C08G-081/00 ; C08K-003/22 ; C08K-009/04 ; C08L-067/02 ; C08L-077/00

AB - J05078559 The resin compsn. is obtd. by adding (C) 0.1-10 pts.wt. of a thermoplastic polymer obtd. by melt reaction of (a) 80-20 pts.wt. of an aromatic polycarbonate resin, (b) 20-80 pts.wt. of a polyamide resin and (c) 0.01-10 pts.wt. of zinc oxide w.r.t. 100 pts.wt. of (a)+(b) for 10-240 mins. at 220-280 deg.C to (A) 95-5 pts.wt. of a polyester resin and (B) 5-95 pts.wt. of a polyamide resin w.r.t. 100 pts.wt. of (A)+(B).

- USE/ADVANTAGE - The thermoplastic polymer improves compatibility between the polyester resin and the polyamide resin and the obtd. thermoplastic resin compsns. consisting of polyester resin and polyamide resin have merits of both resins, i.e., excellent heat, impact and chemical resistance and mouldability.

- In an example, mixt. of 60 pts.wt. 'Panlite RL-1225' (RTM), 40 pts.wt. 'UBE Nylon 1013FB' (RTM), and 1 pt.wt. zinc oxide was melt kneaded for 30 mins. at 230-240 deg.C, cooled and ground to give a thermoplastic polymer. A mixt. of 60 pts.wt. 'Panlite RL-1225' (RTM), 40 pts.wt. 'UBE Nylon 1013FB' (RTM) and 1 pt.wt. of the thermoplastic polymer was blended for several mins. and kneaded at 230-250 deg.C to give pellets and the pellets were injection-moulded to give a test specimen with a heat distortion temp. of 132 deg.C and an Izod impact strength of 21 kg.cm/cm (Dwg.0/0)

CN - R01520-U

IW - THERMOPLASTIC RESIN COMPOSITION HEAT IMPACT CHEMICAL RESISTANCE
PREPARATION ADD THERMOPLASTIC POLYMER PREPARATION AROMATIC
POLYCARBONATE RESIN POLYAMIDE RESIN ZINC OXIDE POLYESTER RESIN
POLYAMIDE RESIN

IKW - THERMOPLASTIC RESIN COMPOSITION HEAT IMPACT CHEMICAL RESISTANCE
PREPARATION ADD THERMOPLASTIC POLYMER PREPARATION AROMATIC

**POLYCARBONATE RESIN POLYAMIDE RESIN ZINC OXIDE POLYESTER RESIN
POLYAMIDE RESIN**

NC - 001

OPD - 1991-09-24

ORD - 1993-03-30

PAW - (INUI-I) INUI T

- (SUMB) SUMITOMO BAKELITE CO

**TI - Thermoplastic resin compsns. having good heat, impact and chemical
resistance - prepd. by adding thermoplastic polymer prepd. from
aromatic polycarbonate resin, polyamide resin and zinc oxide to
polyester resin and polyamide resin**